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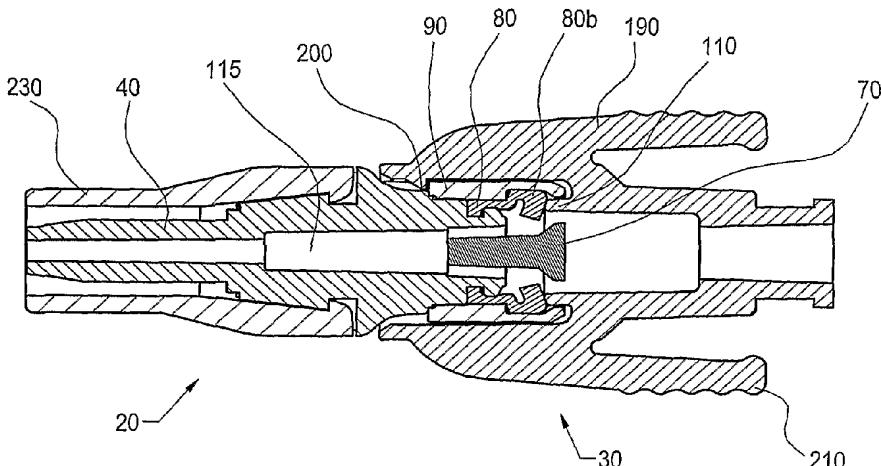
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(54) Title: CATHETER CONNECTION SYSTEMS



(57) Abstract: A catheter connection system is disclosed. In one embodiment, a catheter connection system may include at least two components and a deformable sealing element positioned between the at least two components configured to allow, upon deformation, fluid flow through the at least two components. In another embodiment, the catheter connection system may include a sealing element positioned between at least two components, wherein the components are coupled to one another by a locking member.

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# INTERNATIONAL SEARCH REPORT

International application No

PCT/US2006/037766

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. A61M39/26 A61M25/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 43 11 715 A1 (FRESENIUS AG [DE]) 20 October 1994 (1994-10-20) column 3, line 47 - column 4, line 43; figure 2 -----	1-16
X	WO 02/04065 A2 (ICU MEDICAL INC [US]; FANGROW THOMAS F JR [US]) 17 January 2002 (2002-01-17) figures 10-14 -----	1,3,4,14
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Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

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## INTERNATIONAL SEARCH REPORT

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## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/002351 A1 (COTE ANDREW L [US] ET AL COTE SR ANDREW L [US] ET AL) 3 January 2002 (2002-01-03) the whole document -----	1-16
X	US 6 170 800 B1 (MELOUL RAPHAEL F [US] ET AL) 9 January 2001 (2001-01-09) the whole document -----	1-16
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X	US 6 149 129 A (HARRIS CLARK EUGENE [US] ET AL) 21 November 2000 (2000-11-21) the whole document -----	1-16
A	US 6 168 137 B1 (PARADIS JOSEPH R [US]) 2 January 2001 (2001-01-02) the whole document -----	1-16
A	DE 91 05 229 U1 (B. BRAUN MELSUNGEN AG, 3508 MELSUNGEN, DE) 13 June 1991 (1991-06-13) the whole document -----	1-16

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 17-20

Rule 39.1(iv) PCT – Method for treatment of the human or animal body by surgery:

the method step "inserting a distal end of a catheter hub into a coupling member" is usually performed during catheterization, thus it forms part of a surgical treatment of the human or animal body. Claim 20 explicitely mentiones the evacuation of fluid from a patient's corpus.

## INTERNATIONAL SEARCH REPORT

International application No.  
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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 17-20 because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No

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